

Hydrogenation catalyst

Abstract

5

A material useful as catalyst for the hydrogenation of alpha, omega-dinitriles comprises

(a) iron or a compound based on iron or mixtures thereof,

10

(b) from 0.001 to 0.3% by weight based on (a) of a promoter based on 2, 3, 4 or 5 elements selected from the group consisting of aluminum, silicon, zirconium, titanium and vanadium,

15 (c) from 0 to 0.3% by weight based on (a) of a compound based on an alkali and/or alkaline earth metal, and also

(d) from 0.001 to 1% by weight based on (a) of manganese.

20

25

30

35

40

45